

WHAT IS CLAIMED IS:

1. A method for identifying a movement of single tap, which is a movement done with at least an object contacting a touch device, comprising following steps:

5 (A)having detected the movement of the object contacting the touch device initiating with starting time counting;

(B)having detected the movement of the object contacting the touch device terminating and a first time span being obtained; and

10 (C)generating a control signal indicating the movement of single tap in case of the first time span being less than a second time span, the first time span being greater than a preset time span and only one contacting time being greater than the preset time with the second time span.

15 2. The method for identifying a movement of single tap as defined in claim 1, wherein the step C further determines contact position coordinates of the object contacting with the touch device are in a legal zone for single tap before the control signal of single tap movement.

20 3. A controller of a touch device, which sends at least a control signal to a main unit corresponding to a movement of at least an object contacting the touch device, comprising:

a coordinate calculating unit, detecting an electronic signal sent by the touch device to figure out a coordinate position of the object contacting the touch device;

25 a detecting contact unit, detecting the electronic signal sent by the touch device to determine if the object contacts the touch device;

a counting time unit, counting time during the object contacting the touch device;

30 an operation unit, figuring out a first time span of the object contacting the touch device during the object terminating contacting the touch device according to a result of the determination done by the detecting contact unit, controlling the counting time unit to start time counting in case of the object contacts the touch device and generating a control signal indicating the single tap in case of the first time span

being less than a second time span, the first time span being greater than a preset time span and only one contacting time being greater than the preset time in the second time span; and

an encoding unit, encoding the control signal and the coordinate
5 position and sending the encoded data to the main unit.

4. The controller as defined in claim 3, wherein the operation unit generates the control signal after the operation unit having determined the coordinate position of the object contacting the touch device being within a legal position of single movement.

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